

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings of the claims in the application:

What is claimed is:

Claim 1. (Currently Amended) Steel for the production of high-strength components with excellent low-temperature toughness, having the following composition (in % by weight):

C:  $[[0.08]]\underline{0.16}$  to 0.25 %,

Si: 0.10 to 0.30 %,

Mn: 0.80 to 1.60 %,

P:  $\leq 0.020$  %,

S:  $\leq 0.015$  %,

a sum of the P and S content being  $\leq 0.030$  %,

Cr: 0.40 to 0.80 %,

Mo: 0.30 to 0.50 %,

Ni: 0.70 to 1.20 %,

Al: 0.020 to 0.060 %,

N: 0.007 to 0.018 %,

Nb: 0.02 to 0.07 %,

the remainder being iron and inevitable impurities.

Claim 2. (Previously Presented) Steel according to Claim 1, wherein its C content is from 0.16 % by weight to 0.23 % by weight.

- Claim 3. (Previously Presented) Steel according to Claim 1 wherein its Mn content is from 1.00 % by weight to 1.35 % by weight.
- Claim 4. (Previously Presented) Steel according to Claim 1 wherein its Cr content is from 0.40 % by weight to 0.65 % by weight.
- Claim 5. (Previously Presented) Steel according to Claim 1 wherein its Mo content is from 0.35 % by weight to 0.50 % by weight.
- Claim 6. (Previously Presented) Steel according to Claim 1 wherein its Ni content is from 0.75 % by weight to 1.00 % by weight.
- Claim 7. (Previously Presented) Steel according to Claim 1 wherein its Al content is from 0.020 % by weight to 0.045 % by weight.
- Claim 8. (Previously Presented) Steel according to Claim 1 wherein its N content is from 0.007 % by weight to 0.015 % by weight.
- Claim 9. (Previously Presented) Steel according to Claim 1 wherein it has an austenite grain size that is finer than ASTM 10.
- Claim 10. (Previously Presented) Use of a steel composed according to Claim 1 for the production of high-strength components by cold forming with subsequent temper-hardening.
- Claim 11. (Previously Presented) Use according to Claim 10, wherein the components are used for carrying, pulling, lifting, conveying or securing of loads.
- Claim 12. (Previously Presented) Use according to Claim 10, wherein the components are used for connection of structural elements.

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| Claim 13. | (Previously Presented) | Use according to Claim 10, wherein the components are chains.  |
| Claim 14. | (Previously Presented) | Use according to Claim 13, wherein the chains are round steel chains.  |
| Claim 15. | (Previously Presented) | Use according to Claim 13, wherein the chains are welded.  |
| Claim 16. | (Previously Presented) | Use according to Claim 10, wherein the components have a tensile strength of at least 1,200 MPa.   |
| Claim 17. | (Previously Presented) | Use according to Claim 16, wherein the tensile strength is at least 1,550 MPa.   |
| Claim 18. | (Previously Presented) | Use according to Claim 16, wherein the tensile strength is at least 1,600 MPa.   |
| Claim 19. | (Previously Presented) | Use according to Claim 10, wherein at a tensile strength of at least 1,550 MPa, a fracture appearance transition temperature FATT of the components is at most $-60^{\circ}\text{C}$ . |
| Claim 20. | (Previously Presented) | Use according to Claim 10, wherein a notch impact working value is more than 45 J.   |
| Claim 21. | (Previously Presented) | Use according to Claim 10, wherein a material of the component has a technical crack initiation toughness $J_{IC}$ of more than $170\text{ N/mm}^2$ .                                  |
| Claim 22. | (Previously Presented) | Use according to Claim 21, wherein the technical crack initiation toughness $J_{IC}$ is more than $185\text{ N/mm}^2$ .  |

Claim 23. (Previously Presented) Use according to Claim 10, wherein the components exhibit an elongation at break of more than 28%.